# Installation and Operating Instructions

INDCUK35RG Issue 0

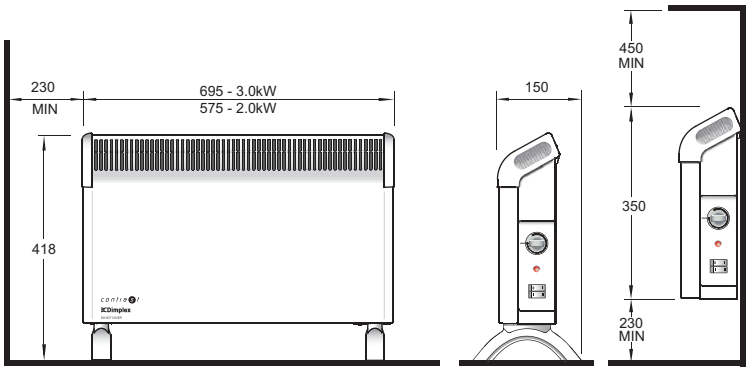
## contrast Convector Heaters

BEAB Approved

## Models : DXC20, DXC20Ti, DXC30, DXC30Ti and DXC30FTi

**Dimensions**
(millimetres)

| Models | Specification |
|---|---|
| DXC20 | 2.0kw Heat Switch/Thermostat/Neon |
| DXC20Ti | 2.0kw Heat Switch/Thermostat/24hr Timer |
| DXC30 | 3.0kw Heat Switch/Thermostat/Neon |
| DXC30Ti | 3.0kw Heat Switch/Thermostat/24hr Timer |
| DXC30FTi | 3.0kw Heat Switch/Thermostat/24hr Timer/Turbo Fan |




**IMPORTANT : THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE**

### Important Safety Advice

**WARNING – THIS APPLIANCE MUST NOT BE USED IN A BATHROOM.**

**WARNING - DO NOT USE THIS HEATER IN THE IMMEDIATE SURROUNDINGS OF A BATH, A SHOWER OR A SWIMMING POOL.**

**WARNING – THIS HEATER MUST NOT BE LOCATED IMMEDIATELY BELOW A FIXED SOCKET OUTLET.**

**DO NOT USE THE HEATER UNTIL THE FEET OR WALL BRACKETS ARE FITTED CORRECTLY.**

**FOLLOW these instructions carefully.**

**NEVER cover or obstruct in any way the heat outlet slots at the top of the heater or the air inlet slots in the base of the heater.**

**The heater carries a warning 'DO NOT COVER' to alert the user to the risk of fire that exists if the heater is accidentally covered.**

**Timer models DXC20Ti, DXC30Ti and DXC30FTi can be set to switch on automatically. Remember to observe all safety warnings at all times.**

**Caution: In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.**

**This appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.**

**If young children, the aged or infirm are likely to be left in the vicinity of the heater, we advise that adequate precautions should be taken. We recommend that a guard be fitted to ensure contact with the heater is avoided and objects cannot be inserted into the product.**

**If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.**

**For further information, please contact our guard supplier direct on Tel. No. 01603 667957, or in case of difficulty or for further advice contact the Customer Helpline.**

## Electrical connection

**WARNING – THIS APPLIANCE MUST BE EARTHED**

This heater must be used on an ~ supply only and the voltage marked on the heater must correspond to the supply voltage. This heater is fitted with a rewireable plug incorporating a 13 amp fuse. In the event of replacing the fuse in the plug supplied, a 13 amp fuse approved by ASTA to BS 1362 must be used. If any other type of plug is used, a 15 amp fuse must be fitted in the plug, the adaptor, or at the distribution board.
IMPORTANT : If the plug is not suitable for your socket, the 13 amp plug should be removed. Before wiring the appropriate plug, please note that the wires in this mains lead are coloured in accordance with the following code :

| | |
|---|---|
| **GREEN AND YELLOW:** | **EARTH** |
| **BLUE :** | **NEUTRAL** |
| **BROWN :** | **LIVE** |

Connect the **GREEN AND YELLOW** wire to the terminal marked '**E**' or by the earth symbol ⏚ , or coloured **GREEN** or **GREEN AND YELLOW**.
Connect the **BROWN** wire to the terminal marked '**L**' or coloured **RED**.
Connect the **BLUE** wire to the terminal marked '**N**' or coloured **BLACK.**

## Wall Mounting

Three identical wall mounting brackets are secured to the base of the heater with a fixing screw. To wall mount appliance, first remove the brackets as follows :
Lay the heater on its back.
Following the sequence in **Fig. 1** – identify and remove the fixing screw securing the brackets located beside Mains Cable as shown in (a), then pull out brackets and rotate them to disengage them from the slot (b). Withdraw the brackets from the slot (c).

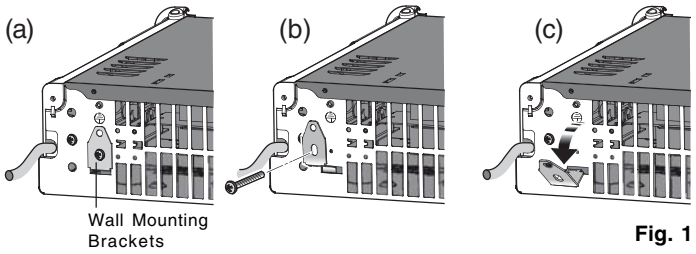



**Fig. 1**

Select a suitable position on a wall, near to a mains power socket, making sure that there is *at least* 230 mm below the heater and *at least* 450 mm above the heater of unobstructed space. See also 'Positioning the heater'. Fix the two top retaining brackets to the wall, using suitable fixings, for 2kW models at 358mm centres and 3kW models at 478mm centres – see **Fig. 2**.

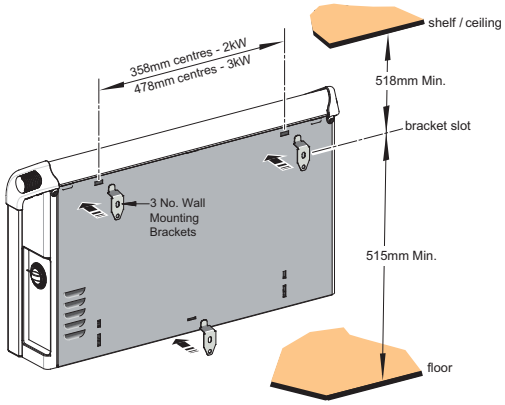



**Fig. 2**

Locate the heater on the top brackets and allow it to hang in place.
Fit the bottom bracket into the slot in the heater and then fix it to the wall.
Test that the heater is now securely fixed to the wall.

## Positioning the heater

Always ensure that the heater is stood on a firm, level base near to, but not directly beneath, a suitable mains supply socket.
Ensure that curtains and furniture are not positioned close to the chosen position, as this would create a potential fire hazard.
We recommend that the heater should be wall-mounted in rooms where children may be left unattended.
See also 'Important Safety Advice'.

## Free standing use

**NEVER USE THE HEATER FREE STANDING WITHOUT THE FEET FITTED.**
Lay the heater on its back, and locate the foot fixing screw (see 'a' in **Fig. 3**). Remove the screw using an X–head screwdriver, then align foot over slots and holes in base (see 'b' in **Fig. 3**) and push into the slots. Finally take the foot fixing screw, insert and tighten using a screwdriver to secure the foot.

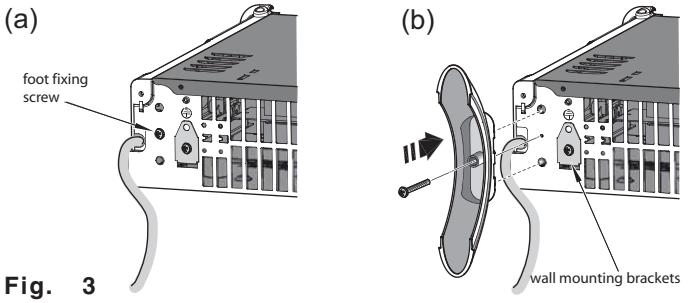



**Fig. 3**

NOTE – The wall mounting brackets indicated in **Fig. 3** can be left secured to the base if they are not required.

## Using the heater

Plug in and switch on at the wall socket. The mains neon indicator will glow showing that power is available.
On models with a timer clock, the clock will operate all the time that the heater is connected to the mains supply, regardless of the setting of the heat selector switch. Set the timer control switch as required for OFF, Manual or Automatic operation – see **'Timer Operations'**.

The heat output is controlled by the thermostat - see **'Thermostat'**.

Please note – the element has been coated with a protective film which will burn off during the first few minutes of use and may cause a small amount of fuming. This is quite normal – the fumes are non-toxic and will quickly disappear.
We recommend that you open a window to ventilate the room when using the heater for the first time.

## Controls

### Thermostat

The thermostat controls the heat output according to the room temperature.
This ensures that the heater will not produce heat unnecessarily when the room is warm.
To set the temperature you require, turn the thermostat knob clockwise until the desired temperature is reached. Alternatively to heat a cold room quickly, turn the thermostat knob up fully.
When the room has reached the desired temperature, turn the thermostat knob anti-clockwise until the thermostat just clicks off.
The heater will now automatically operate at this temperature.
The thermostat also has a frost protection setting marked '❄'. This setting is useful in areas such as garages to prevent frost damage. If the thermostat is set to its minimum setting '❄', the heater will cycle ON and OFF to maintain a temperature of approximately 5°C to help protect against frosty conditions.

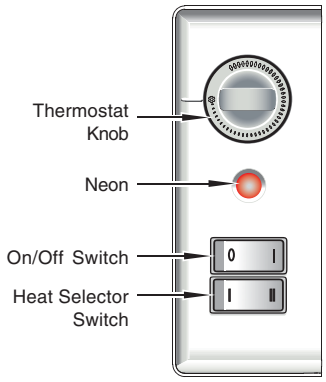



**Fig. 4a**
**Non- Timer Models**

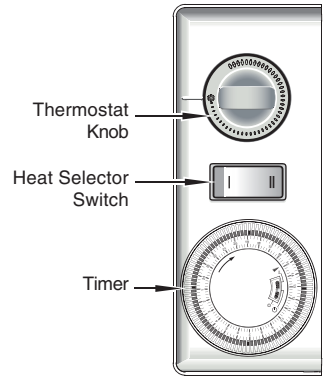



**Fig. 4b**
**Timer Models**

### On/Off Switch - see **Fig. 4a**

On the non-timer models the switch operates as follows:
**O** - The heater is Off
**I** - The heater operates with heat output as per the heat selection switch.
Note : The above description of the On/Off switch operation is with the turbo neon switch in the off position – see also the 'Turbo Fan model...' section.

### Heat Selector Switch - see **Fig. 4a** and **Fig. 4b**

Heat selection is available on all models as an economy feature.
On all models the switch operates as follows:

**I** - The heater operates with low heat output
**II** - The heater operates with max. heat output

## Mechanical Timer Operation - see **Fig. 5**

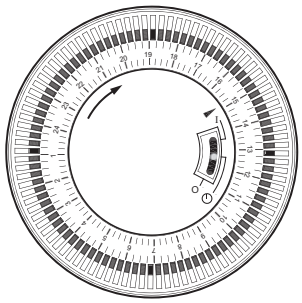


**Fig. 5**

Set the **I** - ⏲ - ○ slide switch on the timer (**Fig. 6**) to :

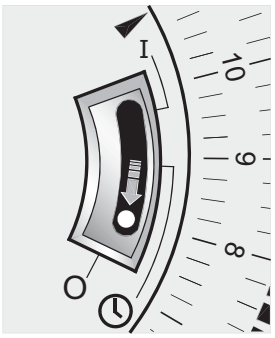



**Fig. 6**

**Position ○ - Heating Off**

**Position I - Manual operation**

This setting allows power to the heater uninterrupted by the timer settings. The heat selector switch and thermostat will control the output (see 'Controls').

**Position ⏲ - 'Auto' operation**

DO NOT disconnect this heater from the mains supply unless it is being taken out of use (e.g. in summer or for storage), otherwise the timer clock will stop.

### Setting the time of day

To set the time of day, rotate the timer dial clockwise (indicated by the arrow) until the correct time of day is opposite the reference mark ▶ (see **Fig. 6**). The 24-hour clock is used ; e.g. time shown for 4 pm is '16' (16:00hrs).

### Setting the 'Auto' ON and OFF times

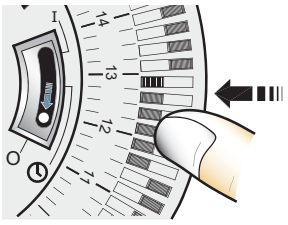



**Fig. 7**

**To set the timer :**

**1.** Using your finger tip or the tip of a pencil, push in as many segments as necessary around the dial, according to the times you don't require heat – see **Fig. 7**. Each segment pushed in switches the heater OFF for that part of the hour. All other segments will be ON. For example, **Fig. 8** shows the timer set to switch the heater ON between 9.00am and 4.00pm and between 9.30pm and 7.00am.

**2.** You can select as many ON periods as you like, within the 24-hour day. The settings will repeat every day until changed.
**3.** To change ON and OFF times, simply push in any 'ON' segments you wish to cancel and pull out new 'ON' segments as required.

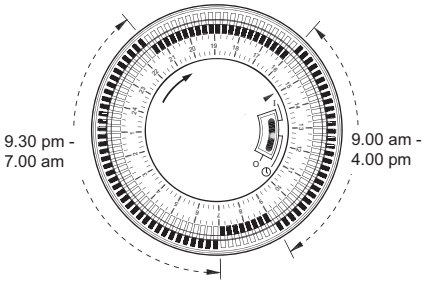



**Fig. 8**

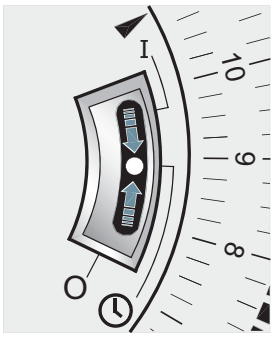



**Fig. 9**

### Switching to auto

Set the heat selector and thermostat for the heat output required.
Check that the clock shows the correct time of day. Set the **I** - ⏲ - ○ slide switch to ⏲ (see **Fig. 9**) - the heater will switch ON and OFF according to the timer settings (see **Fig. 8**).

### IMPORTANT NOTES

Remember to observe all safety warnings when operating the heater on auto setting unattended or attended .
If the mains supply to the heater is interrupted, the timer clock will stop until power is restored ; reset the time of day to ensure correct ON and OFF times.

## Turbo Fan model (DXC30FTi) - see **Fig. 10**

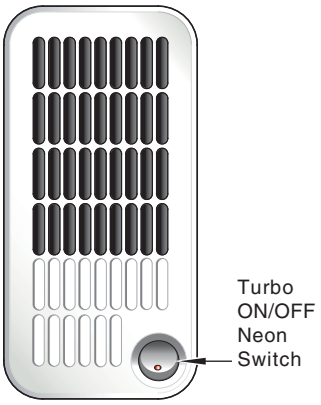



**Fig. 10**

The turbo fan can be used to circulate the heat around the room to help it reach the desired temperature more quickly.
On this model with the **I** / **II** switch at position **I** and the turbo switch in it's Off position ( neon off ) there is no heat output from the convector. With the **I** / **II** switch still in the **I** position you can have 1kw output but only with the turbo boost On (neon on). To get an output of 2kW leave the turbo switch off and set the **I** / **II** switch to position **II**. (Note 2kw is only possible with turbo Off). To achieve 3kw output now turn on the turbo switch which will combine the 2kW setting with a 1kW fan boost setting to give the total output of 3kw with fan boost.
Note that the fan and the neon on the Turbo switch will cycle on and off under the control of the thermostat – see 'Thermostat'.

## Safety – overheat protection

For your safety, this appliance is fitted with a thermal cut-out. In the event that the product overheats, the cut-out switches the heater off automatically.
To bring the heater back into operation, remove the cause of the overheating, then unplug or turn off the electrical supply to the heater for a few minutes.
When the heater has cooled sufficiently, re-connect and switch on the heater.

## Important Notes

Although this heater is manufactured to comply with the relevant safety standards, certain types of carpets could become discoloured by the temperatures under a portable heater. If you are concerned about this, we recommend that you contact the carpet manufacturer for guidance. Alternatively, either stand the heater on a suitable base to shield the carpet or wall-mount it – call our Helpline for further advice.
You may notice some parts of the element appearing to be hotter from time to time because of the variable airflow through the heater. This does not cause a safety hazard.
The heat outlet grille may become discoloured with use – this is caused by airborne pollution and is not a fault.

## Recycling

For electrical products sold within the European Community.

At the end of the electrical products useful life it should not be disposed of with household waste.
Please recycle where facilities exist.
Check with your Local Authority or retailer for recycling advice in your country.

## Cleaning and User Maintenance

**WARNING – ALWAYS DISCONNECT FROM THE POWER SUPPLY BEFORE CLEANING THE HEATER.**
Do not use detergents, abrasive cleaning powder or polish of any kind on the body of the heater.
Allow the heater to cool, then wipe with a dry cloth to remove dust and a damp cloth (not wet) to clean off stains. Be careful not to allow moisture into the heater.

## After Sales Service

Your product is guaranteed for three years from the date of purchase.
Within this period, we undertake to repair or exchange this product free of charge provided it has been installed and operated in accordance with these instructions.
Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.
Should you require after sales service you should contact our customer services help desk on 0845 600 5111. It would assist us if you can quote the model number, series, date of purchase, and nature of the fault at the time of your call.
Please do not return a faulty product to us in the first instance as this may result in loss or damage and delay in providing you with a satisfactory service.
Please retain your receipt as proof of purchase.

CE The product complies with the European Safety Standards EN60335-2-30 and the European Standard Electromagnetic Compatibility (EMC) EN55014, EN60555-2 and EN60555-3 which cover the essential requirements of EEC Directives 73/23 and 89/336

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